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Data transmission from sensor to control unit involves transmitting additional absolute measurement values of measurement parameter to control unit in at least one operating state

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Number of Countries: 026 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10210131	A1	20030918	DE 10210131	A	20020308	200372 B
WO 200377220	A1	20030918	WO 2002DE3603	A	20020924	200372
US 20040204890	A1	20041014	WO 2002DE3603	A	20020924	200468
			US 2004477314	A	20040526	
EP 1485895	A1	20041215	EP 2002776716	A	20020924	200482
			WO 2002DE3603	A	20020924	

Priority Applications (No Type Date): DE 10210131 A 20020308

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 10210131	A1		8	G08C-019/02	
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WO 200377220	A1	G		G08C-019/02	
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Designated States (National): JP US

Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

US 20040204890	A1			G06F-011/00	
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EP 1485895	A1	G		G08C-019/02	Based on patent WO 200377220
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Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Abstract (Basic): DE 10210131 A1

NOVELTY - The data transmission method involves transmitting the parameter measured by the sensor as a difference value to the control unit, whereby additional absolute measurement values of the same parameter are also transmitted in at least one operating state. The relevant operating state is the initialization phase of the system including the sensor and the control unit.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: a sensor and a control unit.

USE - For data transmission from a sensor to a control unit.

ADVANTAGE - Enables verification of the operation of the pressure sensors and hence fault detection in a system of at least two sensors and a central controller.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a sensor system with a central control unit.

sensors (12,14,16,18,20,22)

2-wire lines (24-34)

control unit (10)

pp; 8 DwgNo 1/4

Title Terms: DATA; TRANSMISSION; SENSE; CONTROL; UNIT; TRANSMIT; ADD; ABSOLUTE; MEASURE; VALUE; MEASURE; PARAMETER; CONTROL; UNIT; ONE; OPERATE

; STATE  
Derwent Class: W01; W05  
International Patent Class (Main): G06F-011/00; G08C-019/02  
File Segment: EPI  
Manual Codes (EPI/S-X): W01-A07L; W05-C01A; W05-D  
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